

CLAIMS

What is claimed is:

1. A method for managing large studies transferred from at least one acquisition device to a study process server in order to transfer the studies to at least one review station, the method comprising:

 sorting each received study into at least one appropriate working set;

 selecting at least one subset of the received studies from at least one working set; and

 distributing at least one selected subset of studies to at least one review station.
2. The method of claim 1, further comprising distributing the selected subset of studies to each review station.
3. The method of claim 1, further comprising implementing a predictive algorithm to identify a set of review stations and distributing the selected at least one subset of studies to the identified review stations.
4. The method of claim 1, further comprising continuously monitoring a review station to determine if a distributed study has been completed and removing the study from an associated working set after the study has been completed.
5. The method of claim 4, further comprising deleting the completed study from some or all review stations.
6. The method of claim 1, further comprising monitoring each review station for selected user activities and populating each monitored review station with studies from one or more relevant working sets upon detecting the detecting one of the selected user activities..

7. The method of claim 1, further comprising monitoring each review station for a low buffer threshold and re-populating any review station reaching the low buffer threshold.

8. A system for managing large studies, transferred from at least one acquisition device to a study process server in order to transfer the studies to at least one review station, the system comprising:

a study sorting module for sorting each study received by the study process server into at least one appropriate working set;

a study control module for selecting at least one subset of studies from at least one working set; and

a study distribution module for distributing the selected at least one subset of studies to at least one selected review station.

9. The system of claim 8, wherein the study distribution module distributes the selected subset of studies to each review station.

10. The system of claim 8, further comprising a predictive algorithm for identifying a set of review stations and distributing the selected at least one subset of studies to the identified review stations.

11. The system of claim 8, wherein the study control module continuously monitors a review station to determine if a distributed study has been completed and removing the study from an associated working set after the study has been completed.

12. The system of claim 11, wherein the study control module includes controls for deleting the completed study from some or all review stations.

13. The system of claim 8, wherein the study control module includes controls for monitoring each review station for selected user activities and populating each monitored review station with studies from at least one relevant working sets upon detecting the selected user activities.

14. The system of claim 8, wherein the study control module includes controls for monitoring each review station for a low buffer threshold and re-populating any review station reaching the low buffer threshold.

15. A method for managing studies transferred from at least one acquisition device to a study process server in order to transfer the studies to at least one review station, the method comprising:

transferring a selected subset of the existing studies to at least one review station;

monitoring each selected review station for a login; and

populating the at least one review station with studies from at least one relevant working set upon detecting the login.

16. The method of claim 15, further comprising selected all review stations distributing the selected subset of studies to all review stations.

17. The method of claim 15, further comprising implementing a predictive algorithm to identify a set of review stations and distributing the selected subset of studies to the identified review stations.

18. The method of claim 15, further comprising continuously monitoring the populated review stations to determine if a distributed study has been completed.

19. The method of claim 18, further comprising and deleting the study from the populated review stations after the study has been completed.

20. The method of claim 15, further comprising monitoring each review station for a login and populating each monitored review station with studies from a relevant working set upon detecting the login.

21. The method of claim 15, further comprising monitoring each review station for a low buffer threshold and re-populating any review station reaching the low buffer threshold.

22. A system for managing studies transferred from at least one acquisition device to a study process server in order to transfer the studies to at least one review station, the system comprising:

a study distribution module for transferring a selected subset of the studies to at least one review station; and

a study control module for monitoring each review station for a login, wherein the study distribution module populates the review station with studies from at least one relevant working set upon detection of the login by the study control module.

23. The system of claim 22, wherein the study control module further comprises controls for selecting all review stations and the study distribution module distributes the selected subset of studies to all review stations.

24. The system of claim 22, further comprising a predictive algorithm for identifying a set of review stations, such that the study distribution model distributes the selected subset of studies to the identified review stations.

25. The system of claim 22, wherein the study control module further comprises controls for continuously monitoring the populated review stations to determine if a distributed study has been completed.

26. The system of claim 25, wherein the study control module further comprises controls for deleting the study from the populated review stations after the study has been completed.

27. The system of claim 22, wherein the study control module further comprises controls for monitoring each review station for a login and the study distribution module populates each monitored review station with studies from a relevant working set upon detecting the login.

28. A method for managing studies in order to transfer the studies to at least one review station, the method comprising:

sorting each study into at least one appropriate working set;

selecting at least one subset of studies from at least one working set; and

distributing the selected at least one subset of studies to at least one review station.